

Serial No. 10/776,068
60,130-1995 (04MRA0062)

AMENDMENTS TO CLAIMS:

This listing of claims will replace all prior revisions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A slider system comprising:
 - a locking pin movable between an engaged position and a non-engaged position, ~~said locking pin being spring biased toward the engaged position by a locking pin return spring;~~
 - a locking pin spring which provides a locking pin spring bias to bias said locking pin toward said non-engaged position;
 - a link pin spring which provides a link pin spring bias to bias said locking pin toward said engaged position, said locking pin spring bias being greater than said link pin spring bias;
 - ~~an actuator for driving said locking pin in opposition to to overcome said link pin spring bias to permit said locking pin spring bias to bias said locking pin toward said non-engaged position;~~
 - a first valve in communication with said actuator; and
 - a trailer spring brake valve in communication with said first valve and an air supply, said trailer spring brake valve operable to vent said actuator through said first valve such that said locking pin is movable toward said engaged position by said locking pin ~~return~~ spring.
2. (Original) The slider system as recited in claim 1, wherein said first valve comprises a hand operated valve.
3. (Original) The slider system as recited in claim 1, wherein said actuator comprises an air spring.

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4. (Original) The slider system as recited in claim 3, further comprising a lever which rotates a torque tube to drive said locking pin toward said non-engaged position, said lever operated by said air spring.

5. (Original) The slider system as recited in claim 4, wherein said air spring is constrained by a four-bar linkage.

6. (Previously Presented) The slider system as recited in claim 3, wherein an auto-reset valve vents said air spring in response to said trailer spring brake valve.

7. (Previously Presented) The slider system as recited in claim 3, wherein an auto-reset valve deactivates said air spring in response to said trailer spring brake valve.

8. (Original) The slider system as recited in claim 1, further comprising a pull-handle which operates said actuator.

9. (Currently Amended) A method of securing a slider to a trailer comprising the steps of:

- (1) releasing a parking brake;
- (2) exhausting a pneumatic actuator in response to said step (1); and
- (3) releasing a ~~spring biasing member~~ biasing link spring which biases a locking pin toward an engaged position in response to said step (2) to overcome a locking pin spring bias that otherwise biases said locking pin toward a non-engaged position.

10. (Cancelled)

11. (Currently Amended) The ~~slider system~~ method as recited in claim 9, wherein said step (2) further comprises:

venting the pneumatic actuator through a first valve.

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12. (Currently Amended) The ~~slider system~~ method as recited in claim 9, wherein said step (1) further comprises:

venting a trailer spring brake valve in communication with the pneumatic actuator prior to said step (2).

13. (Cancelled)

14. (New) A method of sliding a slider relative to a trailer comprising the step of:

(1) setting a parking brake;

(2) closing a trailer spring brake valve in communication with a pneumatic actuator in response to said step (1);

(3) actuating a handle valve;

(4) pressurizing the pneumatic actuator through the handle valve from a reservoir; and

(5) retracting a link pin spring that is biasing a locking pin toward an engaged position in response to said step (4) to permit a locking pin spring bias to bias the locking pin toward a non-engaged position to permit the slider to slide relative the trailer.

15. (New) The method as recited in claim 14, wherein said step (5) further comprises: pneumatically retracting a link to overcome a bias from the locking spring which biases the locking pin toward the engaged position.

16. (New) The slider system as recited in claim 1, wherein said link pin spring is disposed at least partially around said locking pin.

17. (New) The slider system as recited in claim 16, wherein said link pin spring is disposed at least partially around a link in contact with said locking pin spring, said link linked to said pneumatic actuator for movement therewith.